

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: New Patent Application corresponding to
German Application 100 14 348.2
Filed March 24, 2000
Applicant Fischer
Attorney Docket (K) 54 084

Box New Patent Application
Commissioner for Patents
Washington, DC 20231

Preliminary Amendment

Dear Sir or Madam::

Please amend the above-identified application as follows:

In the Claims:

Claim 3 (Amended): Method according to claim 1, characterized in that the frequency signals coming from the first and at least second coil device (24, 31), which are emitted at separate times from one another, are limited by the period for the emission of the frequency signals of each coil device (24, 31) by means of transistors (54) which are preferably activated by the circuit (50) in analogy with the coil devices (24, 31).

Claim 10 (Amended): Apparatus, in particular for carrying out the method according to claim 1, with a housing (18), with a first coil device (24) and a second coil device (31) and with a hemispherical placement dome (27), characterized in that a probe head (14) with a ferritic cup-type core (21), which receives the first coil device (24) close to a common geometrical axis (22), is provided and in that the cup-type core (21) has in the common axis (22) a pin (23) which lies within the first coil device (24) and on the end face of which the hemispherical placement dome (27), which projects at least partially from the end face of the coil device (14), is provided, and in that a second coil device (31) is provided concentrically outside the cup-type core (21).

Claim 12 (Amended): Apparatus according to claim 10, characterized in that the first and second coil devices (24, 31) are arranged fixedly in relation to each other and are preferably embedded in a casting composition.

Claim 17 (Amended): Apparatus according to claim 15, characterized in that the probe head (14) is retractable into the protective sleeve (16) against a spring force, and in that a spring element (37) is arranged with at least slight biasing with respect to the guide sleeve (17).

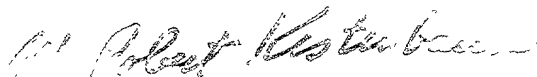
Claim 19 (Amended): Circuit for the separate evaluation of two measuring signals, in particular for carrying out the method according to claim 1, characterized in that the detuning of a respective inductance (24, 31) results in a change in frequency, on inductance (24) being influenced primarily by the layer thickness and the other inductance (31) being influenced primarily by the curvature of the object of measurement.

Remarks

This Preliminary Amendment removes multiple dependencies in the claims.

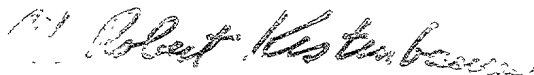
Please calculate the filing fee according to this Preliminary Amendment.

Respectfully submitted,



M. Robert Kestenbaum
Reg. No. 20,430
11011 Bermuda Dunes NE
Albuquerque, NM USA 87111
Telephone (505) 323-0771
Facsimile (505) 323-0865

I hereby certify this correspondence is being deposited with the US Postal Service as Express Mail (*Express Mail Label #EF243721337US*) in an envelope with adequate postage addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231 on Monday, March 26, 2001.



“Version with Markings to show Changes Made”

Claim 3 (Amended): Method according to claim 1 [or 2], characterized in that the frequency signals coming from the first and at least second coil device (24, 31), which are emitted at separate times from one another, are limited by the period for the emission of the frequency signals of each coil device (24, 31) by means of transistors (54) which are preferably activated by the circuit (50) in analogy with the coil devices (24, 31).

Claim 10 (Amended): Apparatus, in particular for carrying out the method according to [one of the preceding claims] claim 1, with a housing (18), with a first coil device (24) and a second coil device (31) and with a hemispherical placement dome (27), characterized in that a probe head (14) with a ferritic cup-type core (21), which receives the first coil device (24) close to a common geometrical axis (22), is provided and in that the cup-type core (21) has in the common axis (22) a pin (23) which lies within the first coil device (24) and on the end face of which the hemispherical placement dome (27), which projects at least partially from the end face of the coil device (14), is provided, and in that a second coil device (31) is provided concentrically outside the cup-type core (21).

Claim 12 (Amended): Apparatus according to [one of claims 10 or 11] claim 10, characterized in that the first and second coil devices (24, 31) are arranged fixedly in relation to each other and are preferably embedded in a casting composition.

Claim 17 (Amended): Apparatus according to claim 15 [or 16], characterized in that the probe head (14) is retractable into the protective sleeve (16) against a spring force, and in that a spring element (37) is arranged with at least slight biasing with respect to the guide sleeve (17).

Claim 19 (Amended): Circuit for the separate evaluation of two measuring signals, in particular for carrying out the method according to [one of claims 1 to 9] claim 1, characterized in that the detuning of a respective inductance (24, 31) results in a change in frequency, on inductance (24) being influenced primarily by the layer thickness and the other inductance (31) being influenced primarily by the curvature of the object of measurement.

TECHNICAL FIELD